Dart Aerospace Ltd. Monday, 02/10/2006 7:16:03 AM Date: User: **Process Sheet** : SADDLE FITTING, AFT (OUTBOARD/INBOARD) : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 28804 **Estimate Number** : 10533 : NA **Part Number** : D2573 P.O. Number : 02/10/2006 D2573 REV E This Issue S.O. No. : NIA **Drawing Number** : NC : N/A Prsht Rev. **Project Number** : WIT : MACHINED PARTS : E First Issue Type **Drawing Revision** :NIA : 28446 Material **Previous Run** : 09/10/2006 Fach Qty: 4 Um: **Due Date** Written By **Checked & Approved By** Comment As Per RevE 06-01-27 **Additional Product** Job Number: **Machine Or Operation: Description:** Seq. #: 1.0 D6101007 7075-T7351 8.25X7.75X2.5 Comment: Qty.: 1.0000 Each(s)/Unit Total: 4.0000 Each(s) 7075-T7351 8.25X7.75X2.5 Make from D6101-007 billet for D2573 Ensure that grain is along 7.75" length B25354 Batch No: HAAS1 HAAS CNC VERTICAL MACHINING #1 2.0 Comment: HAAS CNC VERTICAL MACHINING #1 Program Batch No 2804 Double check by: MS 1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets 4-Deburr and remove all machining marks 5-Tumble to remove sharp edges. y 06/10/03 CONVENTIONAL MILLING MACHINE 30 MILLING CONV.

Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

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W/O:	WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE		PROCEDURE CHANGE		PROCEDURE CHANGE By Da		Date Qty		Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No: \_\_\_\_\_\_ PAR #: \_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: Date: 26/10/1/

					QA: N/C Closed:		Date: _	
NCR:		W	ORK OR	DER NON-CONFORMANC	E (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B  Action Description  Chief Eng	Sign &	Verification Section C	Approval Chief Eng	Approval QC Inspector
06/10/08	2	the thickness of the 1.510" Bore is under tolerance by 0.003"	(10)		\$6,0.53 00	06.1011	66.10.03 QSI 042	0010-11
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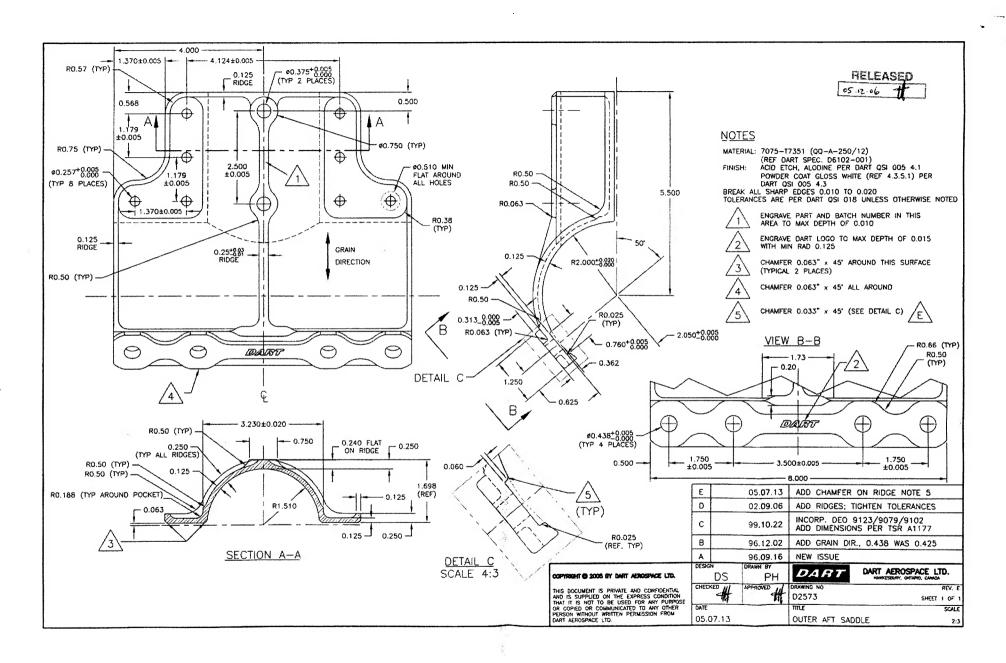
NOTE: Date & initial all entries

Monday, 02/10/2006 7:16:03 AM Date: User: Linda Lacelle **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 28804 Part Number: D2573 Job Number: Description: Seq. #: **Machine Or Operation:** INSPECT PARTS AS THEY COME OFF MACHINE 4.0 6110164 Comment: INSPECT ARTS AS THEY COME OFF MACHINE SECOND CHECK 5.0 Comment: SECOND CHECK 10/05 HAND FINISHING RESOURCE #1 6.0 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 QC3 8.0 Comment: INSPECT POWDER COAT 9.0 PACKAGING ' Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

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W/O:			WO	RK ORDER CHANG	SES	···			
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
					QA:	N/C Close	d:	Date:	
NCR:		V	VORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	STEP	<b>Description of NC</b> Section A	Initial	Corrective Action Sec Action Description	tion B Sign	& Verific	cation	Approval Chief Eng	Approval QC Inspector
		Section A .	Chief Eng	Chief Eng	Dat	e		Ciller Ling	QC Inspector

NOTE: Date & initial all entries



## **Dart Aerospace Ltd**

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W/O:		1	WO	RK ORDER CH	ANGES					
DATE	STEP	PRO	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No	•	PAR #:	Fault Categ	ory:	NC	R: Yes	No DQA	\:	Date:	
		34				QA: N	I/C Closed	l:	_ Date: _	
NCR:		V	VORK ORDE	R NON-CONFO	RMANCI	E (NCF	₹)			
DATE	STEP	<b>Description of NC</b> Section A	Initial Chief Eng	Corrective Action Action Descrip Chief Eng	Section B tion	Sign &			Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	28804
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

Recorded Actual Dimensions						ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.438	0.443	→ <del>DT868</del> 2	0.440	0,440	0.440	0.440		
В	1.745	1.755		1.751	1.750	1.750	1.751		
С	3.495	3.505		3,501	3.500	3.500	3.501		
D	1.745	1.755		1.751	1,751	1.751	1-751		
E	7.990	8.010		B 2004	8.003	8.004	8.004		
F	0.490	0.510		0.501	0.501	0.501	0.501		
G	0.257	0.262	_ <del>DT86</del> 83	0.asg	0.258	0.358	0.758		
Н	0.375	0.380	DI8684	0-376		0.376	0-375		
1	0.490	0.510		0-501	0-501	0-509	0.500		
J	1.174	1.184		1-180	1-179	1.179	1,180		
K	0.558	0.578		0.568	0-569	0.567	0.569		
L	1.174	1.184		1:179	1.180	1.179	1-180		
M	1.365	1.375		1-369	1.369	1.370	7-389		
N	2.495	2.505		2.499 661.17	2.499	2.448	2.499		
0	4.119	4.129		4-199	4.121	4.193	4 .1 21		
Р	0.115	0.135			0.122	0-174	0-193		
Q	0.115	0.135		0-134	0-134	0.135	0.135		
R	0.240	0.260		0-254	0.254	0.259	0.921		
S	0.115	0.135		0.113	0.119	0,119	0-199		
T	0.178	0.198		0-188	० . १ छ	०.१४८	0.188		
U	3.210	3.250		3.931	3 23)	3.23)	3.231		
V	0.230	0.250		0.340	02941	०. २ पठ	146.0		,
W	0.115	0.135	11.7	811.0	0.119	0.119	0.199		
Х	0.308	0.313		0-310	0.310	0-310	0.310		
Υ	0.760	0.765		0-310	0.761	0.761	0.761		
Z	0.352	0.372		0-365	0.364	0.366	0-364		
AA	0.470	0.530	-	0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.698		0.634	0.694		
AC	0.053	0.073		0-063	0~063	0-063	0.063		
AD	0.240	0.260		0-249		0.247	0.246		
AE	1.500	1.520		1.570	1 -510	1.510	1.310		
AF	0.115	0.135		0_134	0.135	0.134	0.135		
AG	0.240	0.280		0.360	0.360	0.961	0.261		
AH	0.240	0.260		0.255	0.254	0.254	0.254		
Al	2.000	2.020		2.000	2.001	3.001	2.007		
AJ	0.023	0.043		0.033	0-083	0.063	0.063		
	Acc	ept/Reje	<u>ct</u>						

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Date: 06/60/03	Date:	06/10	105
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Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension Al	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

## **Chris Provencal**

From: David Shepherd [dshepherd@dartaero.com]

**Sent:** October 4, 2006 3:56 PM

To: 'Chris Provencal'

Subject: RE: ncr D2573 saddle

I think this is an acceptable deviation.

David

**From:** Chris Provencal [mailto:cprovencal@dartaero.com]

Sent: Wednesday, October 04, 2006 11:34 AM

To: David Shepherd (David Shepherd)

Subject: ncr D2573 saddle

David,

One D2573 saddle. The wall thickness of the saddle-to-crosstube bore is 0.113" instead of 0.125"+/-0.010". I looked through SR-D205-634, and I can't find anything that analyzes through that section, seems to be done with ansys, but I figure you've probably encountered that before. Is this acceptable?

Chris

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.1.407 / Virus Database: 268.12.12/462 - Release Date: 10/3/2006

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.1.407 / Virus Database: 268.12.12/462 - Release Date: 10/3/2006